

Nu-Metrics Traffic Analyzer Study

Computer Generated Summary Report

City: Right side of the median

Street: Cedar Ave. #23 Red

A study of vehicle traffic was conducted with HI-STAR unit number 6260. The study was done in the North Bound lane on Cedar Ave. using counter #23 Red as shown on attached drawing. The counter was placed to the right of the median towards Lee Hwy. The study began on 01/21/2004 at 12:00 PM and concluded on 01/23/2004 at 12:00 PM, lasting a total of 48 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 377 vehicles passed through the location

with a peak volume of 37 on 01/22/2004 at 03:00 PM and a minimum volume of 0 on 01/21/2004 at

10:00 PM. The AADT Count for this study was 189.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

Chart 1

0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 >
0	39	98	111	45	11	2	4

At least half of the vehicles were traveling in the 20 - 24 mph range or a lower speed. The average

speed for all classified vehicles was 21 mph with 20.0 percent exceeding the posted speed of 25 mph.

The HI-STAR found 1.94 percent of the total vehicles were traveling in excess of 35 mph. The mode speed for this traffic study was 20 mph and the 85th percentile was 26.72 mph.

CLASSIFICATION

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

Chart 2

0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 >
297	10	2	0	0	1	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 307 which represents 99.00 percent of the total classified vehicles. The number of Small Trucks in the study was 2 which represents 0.60 percent of the total classified vehicles. The number of Trucks/Buses in the study was 0 which represents 0.00 percent of the total classified vehicles. The number of Tractor Trailer in the study was 1 which represents 0.30 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 01/22/2004 at 03:00 PM the average headway between the vehicles

was 94.74 seconds. The slowest traffic period was on 01/21/2004 at 10:00 PM. During this slowest period, the average headway was 3600.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 19 and 46 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.